

SEQUENCE LISTING

(1) GENERAL INFORMATION

- (i) APPLICANT: Hillman, Jennifer L.
Goli, Surya K.
- (ii) TITLE OF THE INVENTION: NOVEL HUMAN MITOCHONDRIAL
MEMBRANE PROTEIN
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:
(A) ADDRESSEE: Incyte Pharmaceuticals, Inc.
(B) STREET: 3174 Porter Drive
(C) CITY: Palo Alto
(D) STATE: CA
(E) COUNTRY: USA
(F) ZIP: 94304
- (v) COMPUTER READABLE FORM:
(A) MEDIUM TYPE: Diskette
(B) COMPUTER: IBM Compatible
(C) OPERATING SYSTEM: DOS
(D) SOFTWARE: FastSEQ for Windows Version 2.0
- (vi) CURRENT APPLICATION DATA:
(A) APPLICATION NUMBER: To Be Assigned
(B) FILING DATE: Filed Herewith
- (vii) PRIOR APPLICATION DATA:
(A) APPLICATION NUMBER:
(B) FILING DATE:
- (viii) ATTORNEY/AGENT INFORMATION:
(A) NAME: Billings, Lucy J
(B) REGISTRATION NUMBER: 36,749
(C) REFERENCE/DOCKET NUMBER: PF-0229 US
- (ix) TELECOMMUNICATION INFORMATION:
(A) TELEPHONE: 415-855-0555
(B) TELEFAX: 415-845-4166

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 172 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: protein
- (vii) IMMEDIATE SOURCE:
(A) LIBRARY: BLADNOT04
(B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
 1           5           10           15
Cys Gly Gly Ala Phe Thr Met Gly Val Ile Gly Gly Gly Val Phe Gln
      20           25           30
Ala Ile Lys Gly Phe Arg Ash Ala Pro Val Gly Ile Arg His Arg Leu
 35           40           45

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Arg Gly Ser Ala Asn Ala Val Arg Ile Arg Ala Pro Gln Ile Gly Gly
 50 55 60
 Ser Phe Ala Val Trp Gly Gly Leu Phe Xaa Thr Ile Asp Cys Gly Leu
 65 70 75 80
 Val Arg Leu Arg Gly Lys Glu Asp Pro Trp Asn Ser Ile Thr Ser Gly
 85 90 95
 Ala Leu Thr Gly Ala Val Leu Ala Ala Arg Ser Gly Pro Leu Ala Met
 100 105 110
 Val Gly Ser Ala Met Met Gly Gly Ile Leu Leu Ala Leu Ile Glu Gly
 115 120 125
 Val Gly Ile Leu Leu Thr Arg Tyr Thr Ala Gln Gln Phe Arg Asn Ala
 130 135 140
 Pro Pro Phe Leu Glu Asp Pro Ser Gln Leu Pro Pro Lys Asp Gly Thr
 145 150 155 160
 Pro Ala Pro Gly Tyr Pro Ser Tyr Gln Gln Tyr His
 165 170

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 655 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: BLADNOT04
- (B) CLONE: 1318463

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

CGCGCGNCAG	ACGNCAGCGC	CATGGAGGAG	TACGCTCGGG	AGCCCTGCCC	ATGGCGAATT	60
GTGGATGATT	GCGGTGGAGC	CTTCACTATG	GGTGTCATCG	GTGGCGGAGT	CTTCCAGGCC	120
ATCAAGGGTT	TCCGCAATGC	CCCTGTTGGA	ATTCCGGCACC	GGTTGAGAGG	TAGTGCCAAT	180
GCTGTGAGGA	TCCGAGCCCC	CCAGATTGGA	GGTAGCTTCG	CAGTGTGGGG	GGGCTGTTC	240
TNCACCATTG	ACTGTGGCCT	GGTGGCGGCTT	CGGGGCAAGG	AGGATCCCTG	GAACCTATC	300
ACCACTGGAG	CATTGACCGG	GGCTGTGCTG	GCTGCCCGCA	GTGGCCCACT	GGCCATGGTG	360
GGCTCAGCAA	TGATGGGGGG	CATCCTGTTG	GCCCTCATTG	AGGGCGTTGG	CATCCTCCTC	420
ACTCGCTACA	CAGCCCAGCA	GTTCCGAAAT	GCGCCCCCAT	TCCTGGAGGA	CCCCAGCCAG	480
CTGCCCCCTA	AGGATGGCAC	CCCGGCCCCA	GGCTACCCCA	GCTATCAGCA	GTACCACTGA	540
GGAAGCCACT	GCCACCATGG	GAGCTACTTC	TCGGTTCCTT	CCCCGATGGT	CTACCTCGAA	600
GGGAGGGCTG	GCTCCAGT	AGCCCTGGGA	CCCTCCAGAG	AGGGTTTCTA	TCTGT	655

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 171 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
- (B) CLONE: GI 1770564

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Met Glu Glu Tyr Ala Arg Glu Pro Cys Pro Trp Arg Ile Val Asp Asp
 1 5 10 15
 Cys Gly Gly Ala Phe Thr Met Gly Thr Ile Gly Gly Gly Ile Phe Gln
 20 25 30
 Ala Ile Lys Gly Phe Arg Asn Ser Pro Val Gly Val Asn His Arg Leu
 35 40 45
 Arg Gly Ser Leu Thr Ala Ile Lys Thr Arg Ala Pro Gln Leu Gly Gly
 50 55 60

Ser	Phe	Ala	Val	Trp	Gly	Gly	Leu	Phe	Ser	Met	Ile	Asp	Cys	Ser	Met
65					70					75					80
Val	Gln	Val	Arg	Gly	Lys	Glu	Asp	Pro	Trp	Asn	Ser	Ile	Thr	Ser	Gly
				85					90					95	
Ala	Leu	Thr	Gly	Ala	Ile	Leu	Ala	Ala	Arg	Asn	Gly	Pro	Val	Ala	Met
			100				105						110		
Val	Gly	Ser	Ala	Ala	Met	Gly	Gly	Ile	Leu	Leu	Ala	Leu	Ile	Glu	Gly
		115				120						125			
Ala	Gly	Ile	Leu	Leu	Thr	Arg	Phe	Ala	Ser	Ala	Gln	Phe	Pro	Asn	Gly
	130				135						140				
Pro	Gln	Phe	Ala	Glu	Asp	Pro	Ser	Gln	Leu	Pro	Ser	Thr	Gln	Leu	Pro
145				150					155						160
Ser	Ser	Pro	Phe	Gly	Asp	Tyr	Arg	Gln	Tyr	Gln					
				165					170						

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 158 amino acids
- (B) TYPE: amino acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: protein

(vii) IMMEDIATE SOURCE:

- (A) LIBRARY: GenBank
- (B) CLONE: GI 557267

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Met	Ser	Ala	Asp	His	Ser	Arg	Asp	Pro	Cys	Pro	Ile	Val	Ile	Leu	Asn
1				5					10					15	
Asp	Phe	Gly	Gly	Ala	Phe	Ala	Met	Gly	Ala	Ile	Gly	Gly	Val	Val	Trp
		20						25					30		
His	Gly	Ile	Lys	Gly	Phe	Arg	Asn	Ser	Pro	Leu	Gly	Glu	Arg	Gly	Ser
		35				40					45				
Gly	Ala	Met	Ser	Ala	Ile	Lys	Ala	Arg	Ala	Pro	Val	Leu	Gly	Gly	Asn
	50					55				60					
Phe	Gly	Val	Trp	Gly	Gly	Leu	Phe	Ser	Thr	Phe	Asp	Cys	Ala	Val	Lys
65				70					75					80	
Ala	Val	Arg	Lys	Arg	Glu	Asp	Pro	Trp	Asn	Ala	Ile	Ile	Ala	Gly	Phe
			85						90					95	
Phe	Thr	Gly	Gly	Ala	Leu	Ala	Val	Arg	Gly	Gly	Trp	Arg	His	Thr	Arg
		100						105					110		
Asn	Ser	Ser	Ile	Thr	Cys	Ala	Cys	Leu	Leu	Gly	Val	Ile	Glu	Gly	Val
	115					120					125				
Gly	Leu	Met	Phe	Gln	Arg	Tyr	Ala	Ala	Trp	Gln	Ala	Lys	Pro	Met	Ala
	130				135					140					
Pro	Pro	Leu	Pro	Glu	Ala	Pro	Ser	Ser	Gln	Pro	Leu	Gln	Ala		
145				150					155						